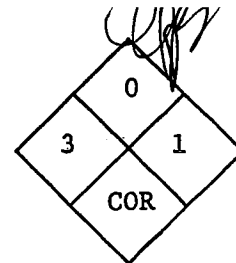


AMCHEM PRODUCTS, INC.
Division of Henkel Corporation
300 Brookside Avenue
Ambler, PA 19002



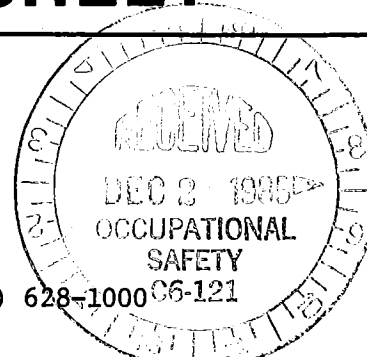
Dpm 5254-4



MATERIAL SAFETY DATA SHEET

PRODUCT TRADE NAME Deoxidizer 16 Replenisher
D.O.T. PROPER SHIPPING NAME Compounds, Rust Preventing
D.O.T. HAZARD CLASSIFICATION Corrosive
TECHNICAL CONTACT (NAME) J. A. Carroll
TELEPHONE NUMBER (215) 628-1324

EMERGENCY NUMBER (215) 628-1000 C6-121



1 HAZARDOUS INGREDIENTS

MATERIAL	CAS NO.	CONTENT(% WT/WT)	HAZARD	TLV
Chromic Acid	7738-94-5	15-20	Carcinogen, NTP	
Hydrofluoric Acid	7664-39-3	5-10	Corrosive	0.05mg/M ³
			Corrosive	2.5 mg/M ³

2 PHYSICAL DATA

APPEARANCE	Red Liquid	SOLUBILITY IN WATER	Complete
ODOR	Faint Acid Odor	pH OF CONCENTRATE @ 60° F	N/A
SPECIFIC GRAVITY @ 60° F	1.15-1.17	BOILING POINT °F	> 212° F
OTHER:	N/A		

3 FIRE AND EXPLOSION DATA

FLASH POINT	None	TEST METHOD	EXTINGUISHING MEDIA	Water
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UNUSUAL FIRE OR EXPLOSION HAZARDS

Violent reactions may occur with organic material or reducing agents.

SPECIAL FIRE FIGHTING PROCEDURES

None

4 REACTIVITY DATA

STABLE ☒

UNSTABLE ☐

(CONDITIONS TO AVOID)

INCOMPATIBLE MATERIALS

Organic materials and reducing agents.

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR ☒

MAY OCCUR ☐

CONDITIONS TO AVOID

HAZARDOUS DECOMPOSITION PRODUCTS

Hydrogen Fluoride

5 HEALTH HAZARD DATA

Skin	Very corrosive. Can cause deep tissue destruction which may not be apparent for several hours.
Eyes	Very corrosive. Anyone whose eyes have been exposed should see a doctor.
Ingestion	Very corrosive to mucous membranes. May be fatal.
Inhalation	Can be extremely toxic if prolonged.

6 FIRST AID RECOMMENDATIONS

Skin	Flush with cold water for 5-10 minutes. Soak affected area in an iced solution of ZEPHIRAN CHLORIDE (a readily available product at any drug store). The strength of the soak is 0.13% or 30 cc. of 17% ZEPHIRAN CHLORIDE CONCENTRATE per each gallon of iced distilled water. Soak affected part for 1 hour. Call a doctor and, make him aware that hydrofluoric acid burns may not become apparent until several hours after exposure.
Eyes	Flush immediately with copious amounts of water for at least 15 minutes. Call a doctor.
Ingestion	Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a doctor. Do not induce vomiting unless directed by a doctor.
Inhalation	Remove from contaminated area to fresh air. Any exposed person with any respiratory difficulty such as coughing, chest pain, breathing difficultly, dizziness, fatigue, etc., should be examined by a doctor and the doctor made aware of what materials the individual was exposed to

7 SPILL PROCEDURES & WASTE DISPOSAL

SPILL PROCEDURES

Transfer any excess to a clean polyethylene container. Treat remaining residue with a dilute solution of sodium metabisulfite to reduce chrome. Neutralize with lime to pH 7-8.

WASTE TREATMENT

Flush reduced and neutralized material to treatment plant with plenty of water and with approval of regulatory agency.

8 PERSONAL PROTECTION

VENTILATION REQUIREMENTS

GENERAL AREA EXHAUST ☐

LOCAL EXHAUST ☒

NO EXHAUST NECESSARY ☐

PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION

Safety goggles

SKIN PROTECTION

Vinyl gloves and rubber aprons

RESPIRATORY PROTECTION

Mist mask - NIOSH approved

OTHER REQUIRED EQUIPMENT

N/A

9 SPECIAL PRECAUTIONS AND STORAGE

Store in a cool, dry place away from organic materials and reducing agents.

PREPARED BY John A. Carroll

DATE 10/26/85

TITLE Manager, Technical Administration